**3GPP TSG-SA5 Meeting #131e *S5-203100***

**e-meeting 25th May-3rd June 2020** Revision of S5-20xxxx

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v11.4* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.291** | **CR** | ***0233*** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Correct the Charging Data Response for NEF charging | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16, 5GS\_Ph1\_NEFCH | | | | |  | ***Date:*** | | | 2020-05-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) Rel-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Both the Charging Data Request and Charging Data Response should be introduced for NEF API charging based on the clause 6.2a.1.2 Structure for the converged charging message formats in TS 32.254. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correct the referred clause for Charging Data Request/Response;  Add the Charging Data Response for NEF API charging. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The format of NEF API charging is incorrect. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.6.2.5.1, 6.1.6.2.5.1a(New), 6.1.6.2.5.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |

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| **First change** |

###### 6.1.6.2.5.1 Type ChargingDataRequest

This clause is additional attributes of the type ChargingDataRequest defined in clause 6.1.6.2.1.1 for Exposure Function Northbound API charging described in 3GPP TS 32.254[14].

Table 6.1.6.2.5.1-1: Exposure Function Northbound API Specified attribute of type ChargingDataRequest

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| nEFCharging Information | NEFChargingInformation | OM | 0..1 | This field holds the Exposure Function Northbound API specific information. |  |

###### 6.1.6.2.5.1a Type ChargingDataResponse

This clause specifies additional attributes of the type ChargingDataResponse defined in clause 6.1.6.2.1.2 for Exposure Function Northbound API charging described in 3GPP TS 32.254[14].

Table 6.1.6.2.5.2-1: Exposure Function Northbound API Specified attribute of type ChargingDataResponse

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
|  |  |  |  |  |  |

###### 6.1.6.2.5.2 Type NEFChargingInformation

Table  6.1.6.2.5.3-2: Definition of type NEFChargingInformation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| groupIdentifier | GroupId | OC | 0..N | The Identifier identifying the served group associated to the SUPI or GPSI. |  |
| aPIDirection | APIDirection | M | 1 | The direction to indicate if it is an API invocation from an AF or notification to an AF. |  |
| aPITargetNetworkFunction | NfInstanceId | OC | 0..1 | The identifier of the network function that either is the destination of the API invocation or triggers the notification. |  |
| aPIResultCode | Uint32 | OC | 0..1 | The result of API Invocation. |  |
| aPIName | string | M | 1 | The name of the API invoked. |  |
| aPIReference | Uri | OC | 0..1 | The reference to the definition of the format of the API invocation. |  |
| aPIContent | string | OC | 0..1 | The actual content of the API invocation, in the format described by the aPIReference. |  |

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| **End of change** |